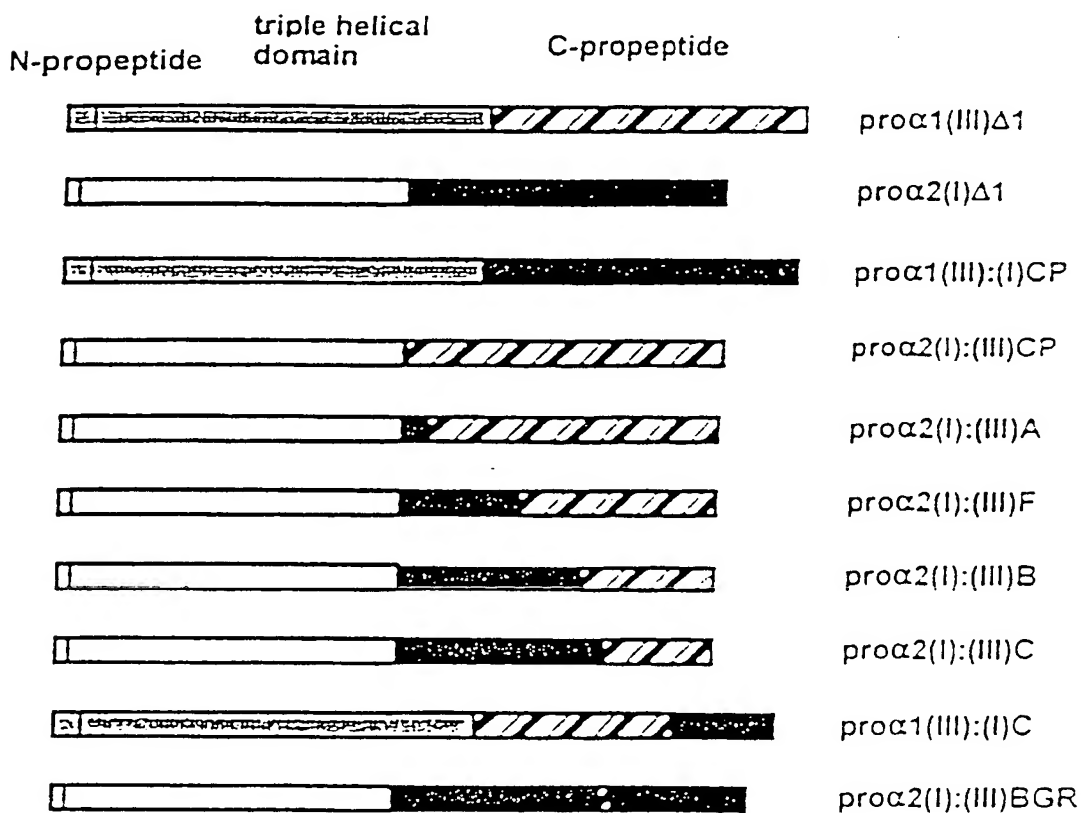


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			A			1	2
alpha1(I)	YYRADD...A	NVVRDRDLEV	DTTLKSLSQ	IENIRSPGGS	RKNPARTCRD	LKMCHSDWKS	
alpha2(I)	FYRADQPRSA	PSLRPKDYEV	DATLKSLNNQ	IETLLTPEGGS	RKNPARTCRD	LRLSHPEWSS	
alpha1(III)	YVGDE...P	MDFKINTDEI	MTSLKSVNGQ	IESLISP DGGS	RKNPARNCRD	LKFCHPELKS	
	-	-	-	-	-	-	-
		3	4	5			
alpha1(I)	GEYWIDPNQG	CNLDAIKVFC	NMETGETCVY	PTQPSVAQKN	WYISKNP KDK	RHVWFGESMT	
alpha2(I)	GYWIDPNQG	CTMEAIVYC	DFPTGETCIR	AQPENIPAKN	WYRS...SKDK	KHVWLGETIN	
alpha1(III)	GEYWIDPNQG	CKLDAIKVFC	NMETGETCIS	ANPLNVPKX	WW.TDSSAEK	KHVWFGESMD	
	! ! ! - ! ! ! ! !	! - ! ! ! ! !	- ! ! ! ! ! -	-	- - - ! -	- ! - - - ! -	- ! ! ! - ! ! - -
		B	C	G	6		
alpha1(I)	DGFQFEYGGQ	GSDPADVAIQ	LTFLRLMSTE	ASQNITYHCK	NSVAYMDQQT	GNLKKALLK	
alpha2(I)	AGSQFEYNVE	GUTSKEMATQ	LAFNRLLANF	ASQNITYHCK	NSIAYMDEST	GNLKKAVILQ	
alpha1(III)	GGFQFSYGNP	ELPEDVLDVQ	LAFRLLLSR	ASQNITYHCK	NSIAYMDQAS	GNVKKALKLM	
	! ! !	-	! ! - ! ! ! -	! ! ! ! ! ! ! ! ! !	! ! - ! ! ! -	- ! ! - ! ! ! -	!
			7				
alpha1(I)	GSNEIEIRAE	GNSRFTYSVT	VDGCTSH TGA	WGKTVIEYKT	TKTSRLPIID	VAPLDVGAPD	
alpha2(I)	GSNDVELVAE	GNSRFTYTVL	VDGCSKHTNE	WGKTIIEYKT	NKPSRLPFLD	IAPLDIGGAD	
alpha1(III)	GSNEGEFKAE	GNSKFTYTVL	EDGCTNHTGE	WSKTVFEYRT	RKAVALPIVD	IAPYDIGGPD	
	! ! ! - ! - ! !	! ! ! ! - ! ! ! - !	! ! ! - !	! - ! ! - ! ! - !	! ! ! ! - !	- ! ! ! - ! - ! - !	
		8					
alpha1(I)	QEEFGVDGPV	CFL					
alpha2(I)	HEFFVDIGPV	CFK					
alpha1(III)	QEEFGVDGPV	CFL					
	- ! !	! - ! ! ! ! !					

FIG. 2FIG. 3

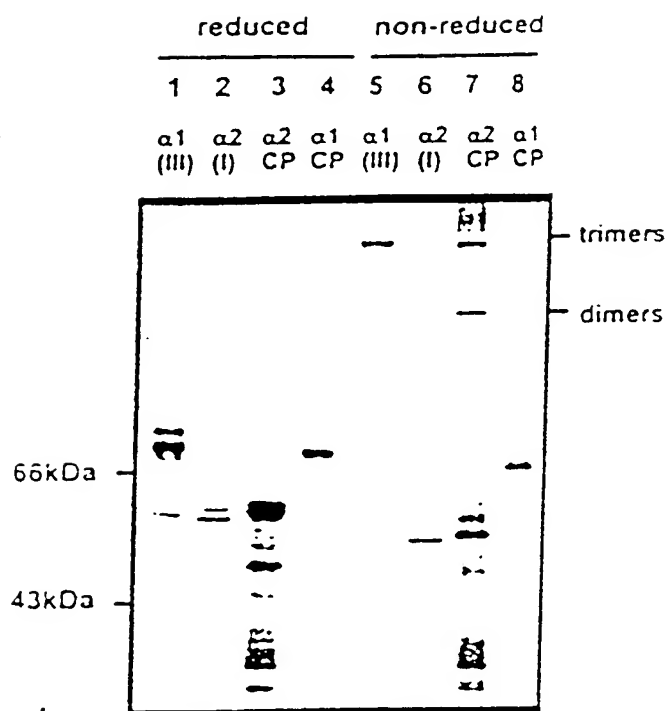


FIG. 4

Lane	1	2	3	4	5	6	7	8	9	10	11
temp. (deg C)	31	32	33	34	35	36	37	38	39	40	unt

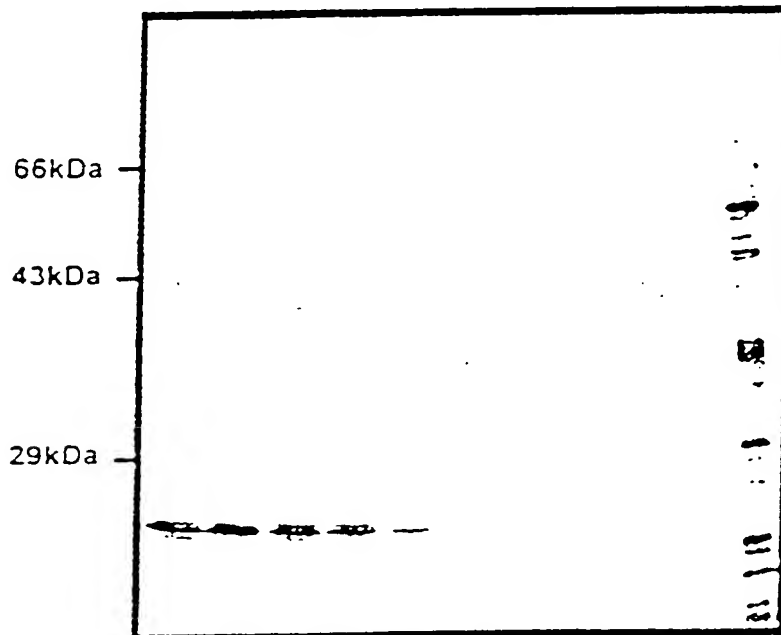


FIG. 5

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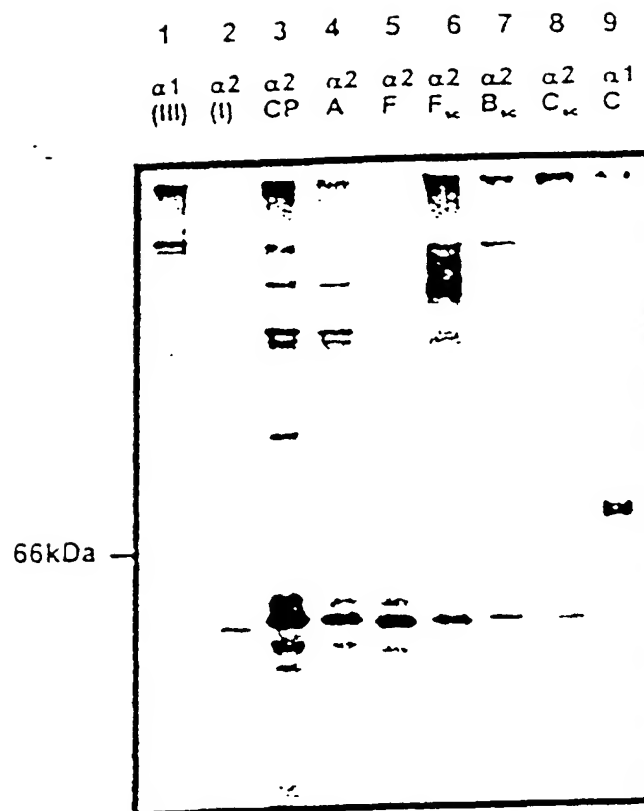


FIG. 6

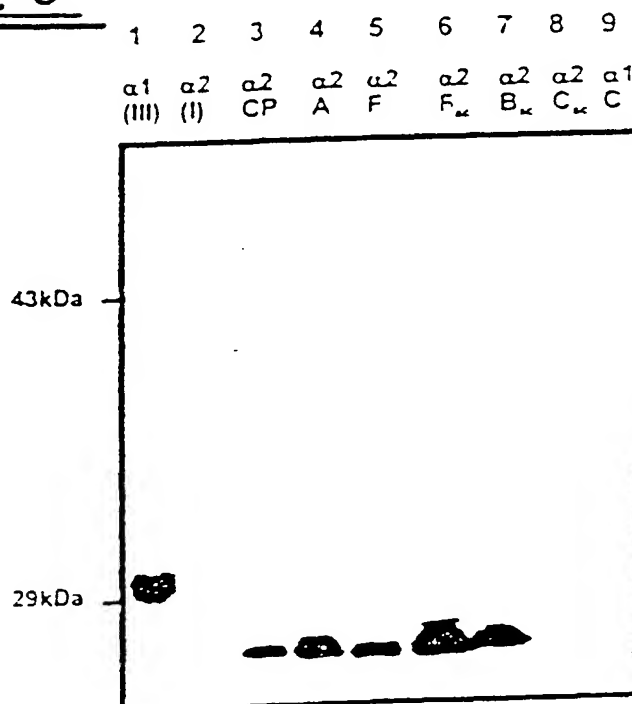
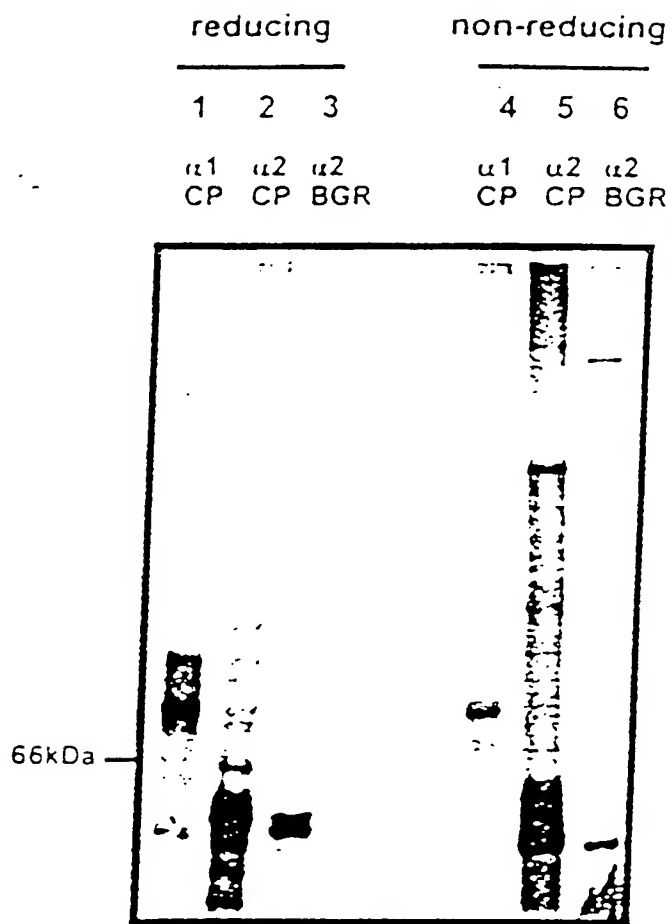
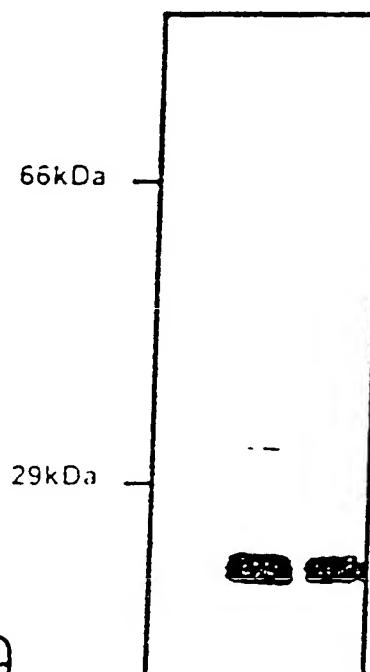


FIG. 7

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FIG. 8

1	2	3
$\alpha 1$ CP	$\alpha 2$ CP	$\alpha 2$ BGR

FIG. 9

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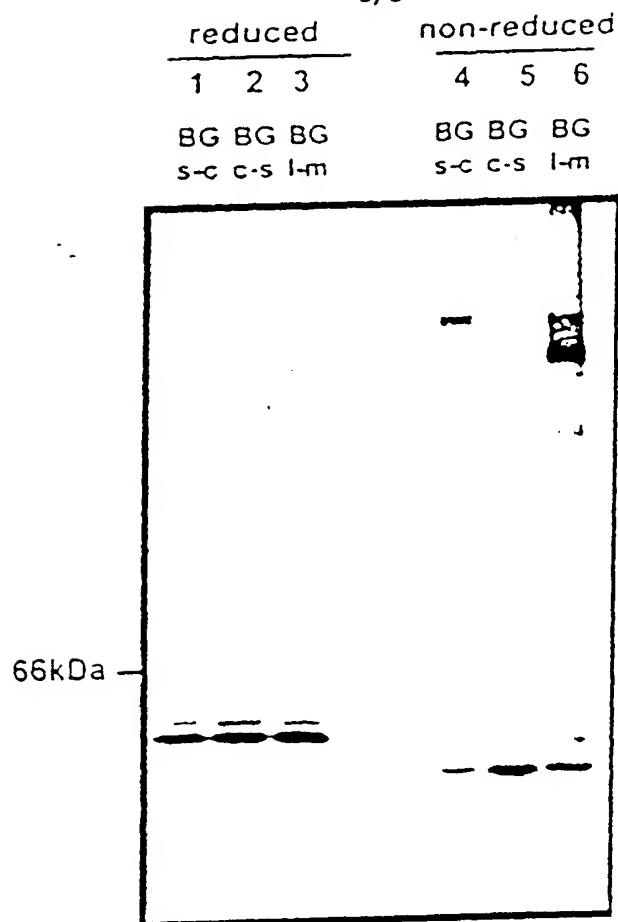


FIG. 10

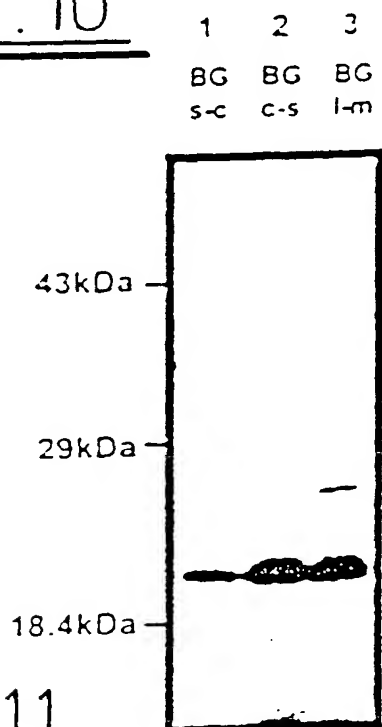
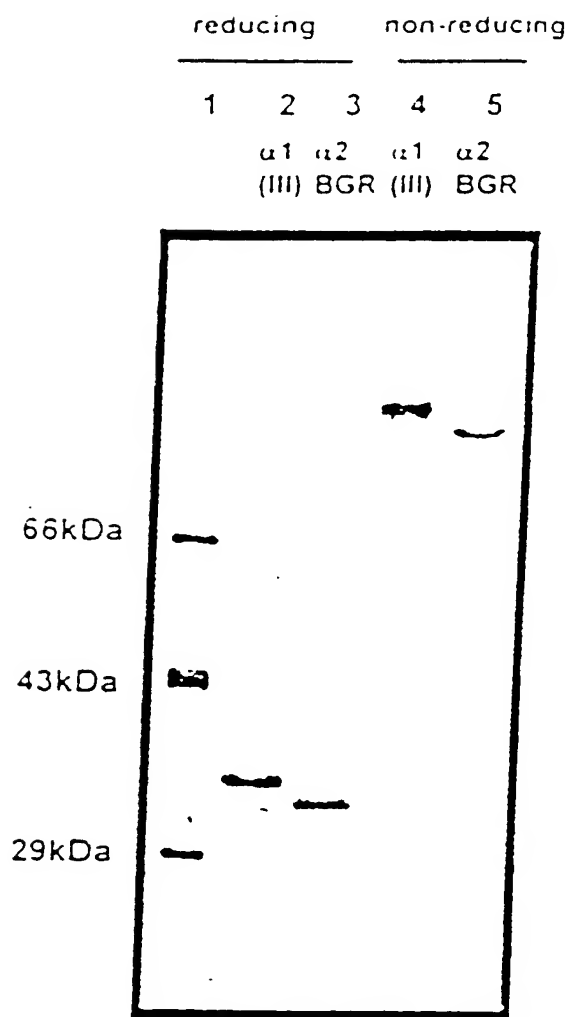


FIG. 11

FIG. 12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
alpha1(I)	G	G	Q	G	S	D	P	A	D	V	A	I	Q	L	T	F	L	R	L	H	S	T	E
alpha2(I)	N	V	E	G	V	T	S	K	E	M	A	T	Q	L	A	F	H	R	L	L	A	N	Y
alpha1(II)	G	D	D	N	L	A	P	N	T	A	N	V	Q	H	T	F	L	R	L	L	S	T	E
alpha1(III)	G	N	P	E	L	P	E	D	V	L	D	V	Q	L	A	F	L	R	L	L	S	S	R
alpha1(V)	V	D	A	E	G	N	P	V	G	V	.	V	Q	H	T	F	L	R	L	L	S	A	S
alpha2(V)	G	D	H	Q	S	P	N	T	A	I	.	T	Q	H	T	F	L	R	L	L	S	K	E
alpha1(XI)	L	D	V	E	G	N	S	I	N	M	.	V	Q	H	T	F	L	K	L	L	T	A	S
alpha2(XI)	V	D	S	E	G	S	P	V	G	V	.	V	Q	L	T	F	L	R	L	L	S	V	S

FIG.13